

24 March 1967

Chief, Construction Engineering Branch,
RECD, OL

Chief, Utilities Engineering Branch, RECD, OL

Modifications and Expansion of Existing Powerhouse, [REDACTED]
Receiver Site

25X1A

- REFS : (a) [REDACTED] 25X1A
- (b) Memo dtd 9 Mar 67 to C/ES/OC fr C/RECD/OL, subject:
Power Plant Addition and Modifications at [REDACTED]
Receiver Site 25X1A
- (c) Memo dtd 16 Mar 67 to C/RECD/OL fr C/ES/OC, subject:
Power Plant, [REDACTED] Receiver Site 25X1A
- (d) ENG 67-2158 [REDACTED]
subject: [REDACTED] 25X1A
- (e) Memo dtd 21 Mar 67 to C/RECD/OL fr C/ES/OC, subject:
[REDACTED] Power Plant 25X1A

1. The attached scope of work should be incorporated into your design criteria for the modification and expansion of the existing powerhouse, [REDACTED] Receiver Site. 25X1A

2. It should be noted that the attached drawings and memorandums received from the Office of Communications, Engineering Staff, present their requirements for the proposed expansion and power distribution at the [REDACTED] Receiver Site. The design which will be prepared by the Architect and Engineer should reflect these requirements. 25X1A

25X1A

Atts

Distribution:

- Orig. & 1 - Addressee
1 - OL/RECD Project
1 - OL/RECD/UEB Chrono

OL/RECD/UEB [REDACTED] s:ded
(24 Mar 67)

25X1A

SCOPE OF WORK

25X1A Prepare complete working drawings, specifications, and cost estimate for the modification to the existing powerhouse, [REDACTED] Receiver Site.

25X1A This work will involve the installation of a 175 KW diesel driven Uninterrupted Power System (UPS), associated switchgear, modifications to controls of two existing 235 KW diesel electric sets, power distribution transformers, power distribution switchgear and modifications to the existing secondary power distribution system.

25X1A All drawings shall be prepared in accordance with applicable [REDACTED] Design, Mechanical, and Electrical Handbooks, Standard Details, Design Data and Design Criteria.

These power units will serve the Receiver Site which is and must remain in operation 24 hours a day, 7 days a week and no interruption will be allowed.

The criteria and requirements are set forth in attachments and drawings with this scope of work.

The A&E will provide us with the following services and products:

25X1A a. Drawings and specifications, mechanical and electrical, for the installation of a 175 KW diesel electric set (UPS) and its associated controls. Unit will be Government-furnished, and will be manufactured by [REDACTED]

25X1A [REDACTED] preliminary drawings (attached) 136-M-011, 136-M-009, 136-M-012, 136-E-301, and 136-E-302 should be used as a guide until final drawings are received.

25X1A b. Drawings and specifications for the modification of the controls of two existing 235 KW diesel electric sets. These sets are [REDACTED] Drawings of these units are available at the site.

25X1A c. Drawings and specifications for the installation of one free-standing switchgear which will monitor the 175 KW UPS, the two 235 KW automatic-start diesel electric sets, a resistive load bank and contains circuit breakers for a secondary power distribution system. Unit will be Government-furnished and is manufactured by [REDACTED]. Attached [REDACTED] drawings are applicable.

d. Drawings and specifications for the installation of a Government-furnished resistive load bank. (See note on attached Euclid drawings.)

e. Drawings and specifications for modifying power distribution to the Receiver Site so that it will be served from the new switchboard and the UPS unit.

f. Drawings and specifications for a monitor panel to be installed in the Receiver Site. This panel will monitor voltage, frequency, load and operations of the UPS and automatic-start electric sets.

g. Drawings and specifications for the installation of two transformer banks. Transformers to be contractor-furnished and installed. See attached Receiver Site Power Distribution drawing.